

4/27/99

Alternative Rating for the South Delta Improvements Program
Resource Impact Summary

Purpose/Objective	technical checklist	Alternative Rating		
		1. Subteam 1 Barrier	2. Subteam 4 Barrier	3. DWR/USBR 4 Barrier
<u>SWP Water Supply Reliability</u>				
	Average Years			
	Critical/Dry Years			
<u>South Delta Supply/ Agricultural Reliability</u>	Water Levels			
<u>South Delta Water Quality</u>				
South Delta channels (MR, OR, GLC) and WQCP criteria	Electrical conductivity, Total Dissolved Solids			
Middle River	Null zones			
Old River at Tracy	Null zones			
San Joaquin River near Stockton	Dissolved Oxygen			

Alternative Rating for the South Delta Improvements Program

Feasibility Issues	Issues to address	Alternative Rating		
		1. Subteam 1 Barrier Alternative	2. Subteam 4 Barrier Alternative	3. DWR/USBR 4 Barrier Alternative
<u>Existing Technology</u>				
Questionable or untested technology that could put the public or project at risk				
<u>Logistics/Timing</u>				
	Done in Stage 1			
<u>Availability</u>				
<u>Managable/Jurisdiction To Do the Work</u>	Components			
	Intake Structure			
	Dredging Old River			
	Dredge south Delta channels			
	Fish Screens (Ag)			
	Flow Structures			
	Fish Structure at HOR			
<u>Cost</u>	Components			
	Intake Structure			
	Dredging Old River			
	Dredge south Delta channels			
	Fish Screens (Ag)			
	Flow Structures			
	Fish Structure at HOR			

Impact	Alternative Rating		
	1. Subteam 1 Barrier Alternative	2. Subteam 4 Barrier Alternative	3. DWR/USBR 4 Barrier Alternative
Aquatic			
Intake Structure			
Predation			
Entrainment			
Blockage			
Predation			
Entrainment			
Flow structures or equivalent			
Habitat Losses			
San Joaquin fall-run chinook survival	Adults		
	Smolt		
Adult salmon passage	San Joaquin Salmon passing thru south Delta		
Sacramento River Salmon Survival	Juvenile Salmon		
Survival of other delta native fishes	Delta smelt		
Terrestrial	Spittail		
Water Quality at Exprt Facilities	CVP SWP CCWD		
Water Rights			
Navigation/ Transportation			
Recreation			
Delta Levees			
Land Use/ Planning			